

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 101028,396C  
Source: IFW/6  
Date Processed by STIC: 12-27-04

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 12/27/2004

PATENT APPLICATION: US/10/028,396C

TIME: 11:23:35

Input Set : A:\Seq Listing 11-30-04.txt

Output Set: N:\CRF4\12272004\J028396C.raw

3 <110> APPLICANT: VLAAMS INTERUNIVERSITAIR INSTITUUT VOOR BIOTECHNOL  
 5 <120> TITLE OF INVENTION: Nucleic Acid Binding of Multi Zinc Finger Transcription  
 Factors  
 7 <130> FILE REFERENCE: 2676 5174US  
 9 <140> CURRENT APPLICATION NUMBER: US/10/028,396C  
 10 <141> CURRENT FILING DATE: 2001-12-21  
 12 <150> PRIOR APPLICATION NUMBER: 99202068.5  
 13 <151> PRIOR FILING DATE: 1999-06-25  
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP00/05582  
 16 <151> PRIOR FILING DATE: 2000-06-09  
 18 <160> NUMBER OF SEQ ID NOS: 66  
 20 <170> SOFTWARE: PatentIn version 3.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 5  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Artificial  
 27 <220> FEATURE:  
 28 <221> NAME/KEY: misc\_feature  
 29 <223> OTHER INFORMATION: Description of Artificial Sequence: Portion of bait for  
 screening  
 31 <400> SEQUENCE: 1  
 32 cacct 5  
 34 <210> SEQ ID NO: 2  
 35 <211> LENGTH: 6  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Artificial  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: misc\_feature  
 41 <223> OTHER INFORMATION: Description of Artificial Sequence: portion of bait for  
 screening  
 44 <400> SEQUENCE: 2  
 45 cacctg 6  
 47 <210> SEQ ID NO: 3  
 48 <211> LENGTH: 5  
 49 <212> TYPE: DNA  
 50 <213> ORGANISM: Artificial  
 52 <220> FEATURE:  
 53 <221> NAME/KEY: misc\_feature  
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: portion of bait for  
 screening  
 56 <400> SEQUENCE: 3  
 57 aggtg 5  
 59 <210> SEQ ID NO: 4  
 60 <211> LENGTH: 7

61 <212> TYPE: DNA  
62 <213> ORGANISM: Artificial  
64 <220> FEATURE:

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65 <221> NAME/KEY: misc_feature
66 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus element for
binding
67       of MyT1, NZF 1 and NZF 3
69 <400> SEQUENCE: 4
70 aaagttt
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 52
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial
77 <220> FEATURE:
78 <221> NAME/KEY: misc_feature
79 <223> OTHER INFORMATION: Description of Artificial Sequence: complex consensus
sequence
81 <220> FEATURE:
82 <221> NAME/KEY: misc_feature
83 <222> LOCATION: (16)..(43)
84 <223> OTHER INFORMATION: nucleotides 16 43 represent a spacer sequence wherein any
one, more,
85       or all of nucleotides 16 43 may be present or absent
87 <400> SEQUENCE: 5
W--> 88 gacaagataa gataannnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnctcatct tc
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 30
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SIP1 NZF3Mut
102 <400> SEQUENCE: 6
103 ccacctgaaa gaatccctga gaattcacag
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 30
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial
110 <220> FEATURE:
111 <221> NAME/KEY: misc_feature
112 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SIP1 CZF2Mut
114 <400> SEQUENCE: 7
115 gggctctaca gttcatctat cagcagcaag
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 30
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial
122 <220> FEATURE:
123 <221> NAME/KEY: misc_feature
124 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SIP1 NZF4Mut
126 <400> SEQUENCE: 8
127 caccacctta tcgagtcctc gaggtgcac
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 30
131 <212> TYPE: DNA

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132 <213> ORGANISM: Artificial
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SIP1 CZF3Mut
139 <400> SEQUENCE: 9
140 tcctactcgc agtccatgaa tcacaggtag          30
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 50
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial
147 <220> FEATURE:
148 <221> NAME/KEY: misc_feature
149 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra WT
151 <400> SEQUENCE: 10
152 atccaggcca cctaaaatat agaatagataa agtgaccagg tgtcagttct          50
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 50
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra D
163 <400> SEQUENCE: 11
164 atccaggcca cctaaaatat agaatagataa agtgaccaga tgtcagttct          50
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 23
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial
171 <220> FEATURE:
172 <221> NAME/KEY: misc_feature
173 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra E
175 <400> SEQUENCE: 12
176 taaagtgacc aggtgtcagt tct          23
178 <210> SEQ ID NO: 13
179 <211> LENGTH: 27
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra F
189 <400> SEQUENCE: 13
190 atccaggcca cctaaaatat agaatga          27
192 <210> SEQ ID NO: 14
193 <211> LENGTH: 50
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Rdm + Xbra E

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Input Set : A:\Seq Listing 11-30-04.txt

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201 <400> SEQUENCE: 14  
202 caatttagag tactgtgtac ttgggagtaa agtgaccagg tgtcagttct 50  
205 <210> SEQ ID NO: 15  
206 <211> LENGTH: 53  
207 <212> TYPE: DNA  
208 <213> ORGANISM: Artificial  
210 <220> FEATURE:  
211 <221> NAME/KEY: misc\_feature  
212 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra F + AREB6  
214 <400> SEQUENCE: 15  
215 atccaggcca cctaaaatat agaatgaggc tcagacaggt gtagaattcg gcg 53  
217 <210> SEQ ID NO: 16  
218 <211> LENGTH: 53  
219 <212> TYPE: DNA  
220 <213> ORGANISM: Artificial  
222 <220> FEATURE:  
223 <221> NAME/KEY: misc\_feature  
224 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Rdm + AREB6  
226 <400> SEQUENCE: 16  
227 caatttagag tactgtgtac ttgggagggc tcagacaggt gtagaattcg gcg 53  
231 <210> SEQ ID NO: 17  
232 <211> LENGTH: 50  
233 <212> TYPE: DNA  
234 <213> ORGANISM: Artificial  
236 <220> FEATURE:  
237 <221> NAME/KEY: misc\_feature  
238 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra J  
240 <400> SEQUENCE: 17  
241 gcacaggcca cctaaaatat agaatgataa agtgaccagg tgtcagttct 50  
243 <210> SEQ ID NO: 18  
244 <211> LENGTH: 50  
245 <212> TYPE: DNA  
246 <213> ORGANISM: Artificial  
248 <220> FEATURE:  
249 <221> NAME/KEY: misc\_feature  
250 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra K  
252 <400> SEQUENCE: 18  
253 atcactgcca cctaaaatat agaatgataa agtgaccagg tgtcagttct 50  
255 <210> SEQ ID NO: 19  
256 <211> LENGTH: 50  
257 <212> TYPE: DNA  
258 <213> ORGANISM: Artificial  
260 <220> FEATURE:  
261 <221> NAME/KEY: misc\_feature  
262 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra L  
264 <400> SEQUENCE: 19  
265 atccagtaaa cctaaaatat agaatgataa agtgaccagg tgtcagttct 50  
267 <210> SEQ ID NO: 20  
268 <211> LENGTH: 50

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Input Set : A:\Seq Listing 11-30-04.txt

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269 <212> TYPE: DNA  
270 <213> ORGANISM: Artificial  
272 <220> FEATURE:  
273 <221> NAME/KEY: misc\_feature  
274 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra M  
277 <400> SEQUENCE: 20  
278 atccaggccc aataaaatat agaataataa agtgaccagg tgtcagttct 50  
280 <210> SEQ ID NO: 21  
281 <211> LENGTH: 50  
282 <212> TYPE: DNA  
283 <213> ORGANISM: Artificial  
285 <220> FEATURE:  
286 <221> NAME/KEY: misc\_feature  
287 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra N  
289 <400> SEQUENCE: 21  
290 atccaggcca ccgccaatat agaataataa agtgaccagg tgtcagttct 50  
292 <210> SEQ ID NO: 22  
293 <211> LENGTH: 50  
294 <212> TYPE: DNA  
295 <213> ORGANISM: Artificial  
297 <220> FEATURE:  
298 <221> NAME/KEY: misc\_feature  
299 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra O  
301 <400> SEQUENCE: 22  
302 atccaggcca cctaaccgat agaataataa agtgaccagg tgtcagttct 50  
304 <210> SEQ ID NO: 23  
305 <211> LENGTH: 50  
306 <212> TYPE: DNA  
307 <213> ORGANISM: Artificial  
309 <220> FEATURE:  
310 <221> NAME/KEY: misc\_feature  
311 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra P  
313 <400> SEQUENCE: 23  
314 atccaggcca cctaaaatcg cgaataataa agtgaccagg tgtcagttct 50  
316 <210> SEQ ID NO: 24  
317 <211> LENGTH: 50  
318 <212> TYPE: DNA  
319 <213> ORGANISM: Artificial  
323 <220> FEATURE:  
324 <221> NAME/KEY: misc\_feature  
325 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra Q  
327 <400> SEQUENCE: 24  
328 atccaggcca cctaaaatat atcctgataa agtgaccagg tgtcagttct 50  
330 <210> SEQ ID NO: 25  
331 <211> LENGTH: 50  
332 <212> TYPE: DNA  
333 <213> ORGANISM: Artificial  
335 <220> FEATURE:  
336 <221> NAME/KEY: misc\_feature

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/028,396C

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Input Set : A:\Seq Listing 11-30-04.txt  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35  
Seq#:5; N Pos. 36,37,38,39,40,41,42,43  
Seq#:48; N Pos. 25  
Seq#:49; N Pos. 26  
Seq#:65; N Pos. 2,3,5,6,7,8,10,11,12,13  
Seq#:66; N Pos. 2,3,4,5,6,8,9,10,11,12,13,14,15,16,17,18,19,21,22,23,24

**Invalid <213> Response:**

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51  
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66



**VERIFICATION SUMMARY**

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Input Set : A:\Seq Listing 11-30-04.txt

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L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0  
L:980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0  
L:999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0